APPLN. FILING DATE: DECEMBER 31, 2001
TITLE: PERPENDICULAR MAGNETIC RECORDING
DISK

INVENTOR(S): JAI-YOUNG KIM APPLICATION SERIAL NO: 030681-349

SHEET 1 of 8

FIG. 1

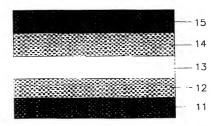
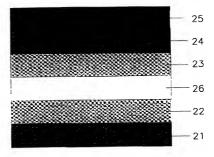


FIG. 2



APPLN. FILING DATE: DECEMBER 31, 2001 TITLE: PERPENDICULAR MAGNETIC RECORDING DISK

INVENTOR(S): JAI-YOUNG KIM

APPLICATION SERIAL NO: 030681-349

SHEET 2 of 8

FIG. 3

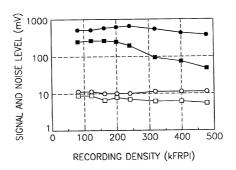
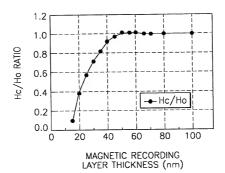


FIG. 4



ACCURACION AND AND A

FIG. 5

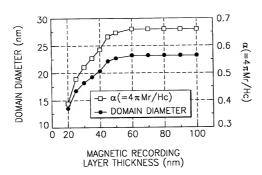
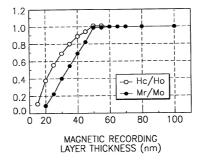


FIG. 6



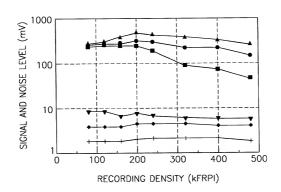
APPLN. FILING DATE: DECEMBER 31, 2001
TITLE: PERPENDICULAR MAGNETIC RECORDING
DISK

INVENTOR(S): JAI-YOUNG KIM

APPLICATION SERIAL NO: 030681-349

SHEET 4 of 8

FIG. 7

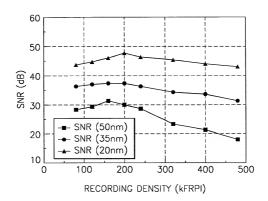


- SIGNAL (Comparative Example 1)
- → SIGNAL (Example 1)
- → SIGNAL (Example 2)
- → NOISE (Comparative Example 1)
- → NOISE (Example 1)
- -- NOISE (Example 2)

DISK INVENTOR(S): JAI-YOUNG KIM APPLICATION SERIAL NO: 030681-349

SHEET 5 of 8

FIG. 8



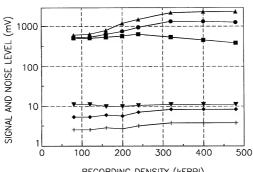
APPLN. FILING DATE: DECEMBER 31, 2001 TITLE: PERPENDICULAR MAGNETIC RECORDING

INVENTOR(S): JAI-YOUNG KIM

APPLICATION SERIAL NO: 030681-349

SHEET 6 of 8

FIG. 9



RECORDING DENSITY (kFRPI)

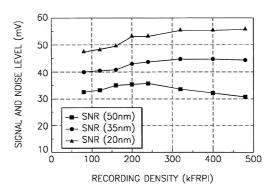
- SIGNAL (Comparative Example 2)
- SIGNAL (Example 3)
- → SIGNAL (Example 4)
- → NOISE (Comparative Example 2)
- → NOISE (Example 3)
- NOISE (Example 4)

APPLN. FILING DATE: DECEMBER 31, 2001 TITLE: PERPENDICULAR MAGNETIC RECORDING

INVENTOR(S): JAI-YOUNG KIM

APPLICATION SERIAL NO: 030681-349 SHEET 7 of 8

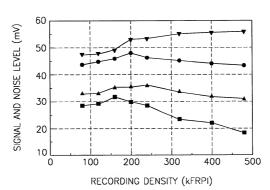
FIG. 10



APPLN. FILING DATE: DECEMBER 31, 2001 TITLE: PERPENDICULAR MAGNETIC RECORDING

INVENTOR(S): JAI-YOUNG KIM APPLICATION SERIAL NO: 030681-349 SHEET 8 of 8

FIG. 11



- SNR (Comparative Example 1)
- SNR (Example 2)
- → SNR (Comparative Example 2)
- → SNR (Example 4)